

Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for correcting a pressure value in a level sensor of a submersible pump wherein there is provided a pressure sensor serving as said level sensor and at one point in time as a first pressure value the pressure of the surroundings is detected by said pressure sensor and at another point in time as a second pressure value the pressure of the fluid to be delivered by the pump is detected by said pressure sensor, and wherein said second pressure value is corrected on basis at said first pressure value by evaluating the pressure difference between the second and first pressure value.
2. (Cancelled)
3. (Currently Amended) The method according to claim 1, with which said pressure sensor for detecting the pressure of the surroundings at the one point in time is brought into a position above the surface of the fluid to be delivered.
4. (Currently Amended) The method according to claim 1, with which the said pressure sensor for detecting the pressure of the fluid to be delivered ~~at the~~ at said other point in time is brought into a position below the surface of the fluid to be delivered.

5. (Currently Amended) The method according to claim 3, with which ~~the pressure sensor~~ for determining the pressure of the surroundings the fluid level is lowered below the level (S_2) ~~of the~~ of said pressure sensor, ~~and the~~ and said pressure sensor detects the pressure of the surroundings for correcting the pressure value detected in the fluid ~~at the~~ at said other point in time.

6. (Currently Amended) The method according to claim 5, with which after reaching the level (S_2) ~~of the~~ of said pressure sensor the fluid level is lowered to a predefined value (S_1) below the level (S_2) ~~of the~~ of said pressure sensor.

7. (Currently Amended) The method according to claim 6, with which the fluid level after reaching the level (S_2) ~~of the~~ of said pressure sensor is further lowered for a period of time (t_1).

8. (Previously Presented) The method according to claim 7, with which the period of time is computed on the basis of the sinking speed (dh/dt) of the fluid level previously detected by the level sensor.

9. (Currently Amended) The method according to claim 6, with which the pump is switched off after reaching the level (S_2) ~~of the~~ of said pressure sensor after completion of the period of time (t_1) or on reaching a predefined fluid level (S_1) below the level (S_2).

10. (Currently Amended) The method according to claim 1, with which the detection ~~of the~~ of said pressure of the surroundings is only effected if the fluid level remains below the level (S_2) ~~of the~~ of said pressure sensor for a predefined period of time (t_2).

11. (Previously Presented) The method according to claim 10, with which the pump is started again if a detection of the pressure of the surroundings is not effected.

12. (Previously Presented) The method according to claim 1, with which a method step for evaluating the pressure of the surroundings is started if the fluid level begins to sink at a predefined minimum speed.

13. (Previously Presented) The method according to claim 1, with which a detection of the pressure of the surrounding medium is carried out at predefined, preferably regular points in time.

14. (Currently Amended) A submersible pump system with a fluid level sensor which comprises a pressure sensor for determining an absolute pressure, and control means which switches the pump on and/or off in dependence on the readings of the fluid level sensor, wherein the pump comprises a calibration means ~~for for~~ for correcting a second pressure value detected in a fluid on the basis of a first pressure value detected in the surroundings, wherein at one point in time said pressure sensor detects said first pressure value and at another point in time detects said second pressure value, and wherein said second pressure value is corrected on the basis of the first pressure value by evaluating the pressure difference between said second pressure value and said first pressure value.

15. (Previously Presented) The pump system according to claim 14, with which the fluid level sensor, the control means and the calibration means are an integral component of a pump unit.

16. (Currently Amended) The submersible pump system according to claim 14, with ~~which the~~ which said pressure sensor is arranged above the suction port of the pump.

17. – 18. (Cancelled)

19. (Currently Amended) The pump system according to claim 14, with ~~which~~
the which said pressure sensor is an absolute pressure sensor.

20. (Currently Amended) The use of a pressure sensor in a pump system
according to claim 14, ~~wherein the~~wherein said pressure sensor only has electrical
connection conduits.

21. (Currently Amended) The method according to claim 3, with ~~which the~~
which said pressure sensor for detecting the second pressure of the fluid to be
delivered at the other point in time is brought into a position below the surface of the
fluid to be delivered.

22. (Currently Amended) The method according to claim 4, with ~~which~~
~~the~~which said pressure sensor for determining the pressure of the surroundings the
fluid level is lowered below the level (S₂) ~~of the~~of said pressure sensor ~~and the~~ and
said pressure sensor detects the pressure of the surroundings for correcting the
pressure value detected in the fluid.

23. (Cancelled)